

ABSTRACT

A formable biodegradable filament nonwoven fabric and a production method therefor are provided. A biodegradable polymer comprising a thermoplastic aliphatic polyester as its principal component is melted and extruded through a spinneret into filaments. While being quenched with quench air blow, the extruded filaments are drafted at a drafting speed of 1,000 to 2,500m/min by means of a suction device disposed below the spinneret. The drafted filaments are spread and accumulated on a movable collector surface thereby to be formed into a web, which is then treated for formation of a nonwoven fabric. The constituent filaments of the nonwoven fabric has a polymer supercool index of 0.3 to 0.6.

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